

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A computer-implemented method for processing a transaction in an enterprise environment, the computer-implemented method comprising:
 - receiving a request to start the transaction;
 - storing information which indicates that the request to start the transaction was received;
 - accessing a first resource manager associated with the transaction;
 - initiating the transaction as a local transaction on the first resource manager without first determining whether the transaction is appropriate to be a local transaction; and
 - completing the transaction,

wherein the method further includes:

 - initiating the transaction as a global transaction after initiating the transaction as the local transaction; and**
 - completing both the local transaction and the global transaction substantially atomically using a last resource 2-phase commit optimization.**
2. (original) A computer-implemented method as recited in claim 1 wherein completing the transaction includes using a local transaction mechanism of the first resource manager.
3. CANCEL.
4. (original) A computer-implemented method as recited in claim 3 wherein completing both the local transaction and the global transaction substantially atomically includes using the local transaction as a last resource in the last resource 2-phase commit optimization.
5. (original) A computer-implemented method as recited in claim 3 further including lazily determining whether to initiate the global transaction.
6. (original) A computer-implemented method as recited in claim 1 wherein the enterprise environment is a Java 2 Enterprise Environment, and receiving the request to start the transaction includes receiving the request from a component associated with the Java 2 Enterprise Environment.

7. - 24. (cancelled)

25. (currently amended) An enterprise computing environment comprising:

a first resource;

a component; and

a container, wherein the component is contained in the container, the container being arranged to receive a request from the component to start a transaction which includes the first resource, the container further being arranged to store information which indicates that the request to start the transaction was received, to access the first resource without first determining whether the transaction is appropriate to be a local transaction, to initiate the transaction as a local transaction on the first resource, and to complete the transaction,

wherein the container is further arranged to initiate the transaction as a global transaction after initiating the transaction as the local transaction, and to complete both the local transaction and the global transaction substantially atomically using a local resource 2-phase commit optimization.

26. (original) An enterprise computing environment according to claim 25 wherein the container is arranged to complete the transaction using a local transaction mechanism of the first resource manager.

27. CANCEL

28. (original) An enterprise computing environment according to claim 25 wherein the enterprise computing environment is a Java 2 Enterprise Environment, and the component is an Enterprise Java Bean.

29. - 34. (cancelled)

35. (currently amended) A computer program product for processing a transaction in an enterprise environment, the computer program product comprising:

computer code for receiving a request to start the transaction;

computer code for storing information which indicates that the request to start the transaction was received;

computer code for accessing a first resource manager associated with the transaction;
computer code for initiating the transaction as a local transaction on the first resource manager without first determining whether the transaction is appropriate to be a local transaction;

computer completing the transaction; and

a computer-readable medium that stores the computer codes

wherein the computer program product further includes

computer code for initiating the transaction as a global transaction after initiating the transaction as the local transaction; and

computer code for completing both the local transaction and the global transaction substantially atomically using a local resource 2-phase commit optimization.

36. (original) A computer program product as recited in claim 35 wherein the computer code for completing the transaction includes computer code for using a local transaction mechanism of the first resource manager.

37. CANCEL.

38. (currently amended) A computer program product as recited in claim ~~37~~ 35 wherein computer code for completing both the local transaction and the global transaction substantially atomically includes computer code for using the local transaction as a last resource in the local resource 2-phase commit optimization.

39. (currently amended) A computer program product as recited in claim ~~37~~ 35 further including computer code for lazily determining whether to initiate the global transaction.

40. (original) A computer program product as recited in claim 35 wherein the computer-readable medium is one selected from the group consisting of a data signal embodied in a carrier wave, a hard disk, a floppy disk, a tape, an optical disk, a CD-ROM, and a computer memory.

41. - 50 (cancelled)

51. (previously presented) A computer-implemented method for processing a transaction in an enterprise environment, the computer-implemented method comprising:

receiving a request to start the transaction;
storing information which indicates that the request to start the transaction was received;
accessing a first resource manager associated with the transaction;
initiating the transaction as a local transaction on the first resource manager without
knowledge of whether the transaction is more appropriate to be a local transaction or a global
transaction; and
completing the transaction.

52. (previously presented) An enterprise computing environment comprising:

a first resource;

a component; and

a container, wherein the component is contained in the container, the container being
arranged to receive a request from the component to start a transaction which includes the first
resource, the container further being arranged to store information which indicates that the
request to start the transaction was received, to access the first resource without knowledge of
whether the transaction is more appropriate to be a local transaction or a global transaction, to
initiate the transaction as a local transaction on the first resource, and to complete the transaction.

53. (previously presented) A computer program product for processing a transaction in an
enterprise environment, the computer program product comprising:

computer code for receiving a request to start the transaction;

computer code for storing information which indicates that the request to start the
transaction was received;

computer code for accessing a first resource manager associated with the transaction;

computer code for initiating the transaction as a local transaction on the first resource
manager without knowledge of whether the transaction is more appropriate to be a local
transaction or a global transaction;

computer completing the transaction; and

a computer-readable medium that stores the computer codes.